Page 1 of 1 ATTY. DOCKET NO. U.S. DEPARTMENT OF COMMERCE SERIAL NO. PATENT AND TRADEMARK OFFICE 040897-0114 10/814,294 **APPLICANT** INFORMATION DISCLOSURE CITATION Paul Thurk FILING DATE **GROUP ART UNIT** se several sheets if necessary) 4/1/2004

6 .				U.S. PA	TENT DOCUMENTS		•			
	MAIER TIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLAS	ss .		JB- ASS	FILING DATE IF APPROPRIATE
	30		US 3,842,306	10/15/1975	Henderson, et al.					
			US 4,047,069	9/6/1977	Akutsu, et al.					
			US 4,330,691	5/18/1982	Gordon			\exists		
			US 4,642,951	2/17/1987	Mortimer					
			US 4,890,033	12/26/1989	Ichinomiya					
			US 4,923,032	5/8/1990	Nuernberger					
			US 4,965,485	10/23/1990	Tarumi, et al.					
			US 5,073,805	12/17/1991	Nomura, et al.					
			US 5,142,343	8/25/1992	Hosokawa, et al.					
			US 5,293,050	3/8/1994	Chapple-Sokol, et al.					
			US 5,354,707	10/11/1994	Chapple-Sokol, et al.					
			US 5,422,489	6/6/1995	Bhargava					
			US 5,438,234	8/1/1995	Fujino					
			US 5,516,577	5/14/1996	Matsuura, et al.					
			US 5,536,949	7/16/1996	Hosokawa, et al.					
			US 5,537,000	7/16/1996	Alivisatos, et al.					
			US 5,552,665	9/3/1996	Trushell					
•			US 5,813,753	9/29/1998	Vriens, et al.					
			US 5,850,064	12/15/1998	Goldstein					
			US 5,852,346	12/22/1998	Komoda, et al.					
			US 5,882,779	3/16/1999	Lawandy	7-7-				
			US 5,959,316	9/28/1999	Lowery					
			US 5,962,863	10/5/1999	Russell, et al.					
			US 5,977,565	11/2/1999	Ishikawa, et al.					
			US 5,990,479	11/23/1999	Weiss, et al.					
			US 6,068,907	5/30/2000	Beauregard					
			US 6,069,440	5/30/2000	Shimizu, et al.					
			US 6,117,514	9/12/2000	Herrmann					
			US 6,157,047	12/5/2000	Fujita, et al.					
	V		US 6,175,187 B1	1/16/2001	Tsutsui	J		Ø		

003.500924

11/3/05.

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(MODIFIED)

RV	US 6,207,229 B1	3/27/2001	Bawendi, et al.		1	1		
	US 6,215,881 B1	4/10/2001	Azima, et al.	- 	1			
	US 2001/0000622 A1	5/3/2001	Reeh, et al.				-	
	US 6,245,259 B1	6/12/2001	Höhn, et al.		1			,
	US 6,251,303 B1	6/26/2001	Bawendi, et al.		1			
	US 6,252,254 B1	6/26/2001	Soules, et al.		İ			
	US 6,252,915 B1	6/26/2001	Mollenkopf, et al.		1			
	US 6,268,041 B1	7/31/2001	Goldstein		1			
	US 2001/0040232 A1	11/15/2001	Bawendi, et al.					
	US 6,322,901 B1	11/27/2001	Bawendi, et al.					
	US 6,336,837 B1	1/8/2002	Maeda					
	US 2002/0018632 A1	2/14/2002	Pelka					· · · · · ·
	US 6,389,771 B1	5/21/2002	Moller					
1	US 6,397,531 B1	6/4/2002	Martin					
	US 6,406,803 B1	6/18/2002	Abe, et al.					
	US 6,417,019 B1	7/9/2002	Mueller, et al.		1			
	US 6,423,551 B1	7/23/2002	Weiss, et al.					
	US 6,441,551 B1	8/27/2002	Abe, et al.					
	US 2002/0152704 A1	10/24/2002	Thompson, et al.					
	US 2002/0153830 A1	10/24/2002	Andriessen					
	US 2002/0167024 A1	11/14/2002	Jabbour, et al.					
	US 6,501,091 B1	12/31/2002	Bawendi, et al.					
	US 6,501,102 B2	12/31/2002	Mueller-Mach, et al.			,		
	US 2003/0003300 A1	1/2/2003	Korgel, et al.					
	US 2003/0003614 A1	1/2/2003	Andriessen					
	US 6,504,179 B1	1/7/2003	Ellens, et al.					
	US 6,508,573 B1	1/21/2003	Yamazaki					
	US 6,515,314 B1	2/4/2003	Duggal, et al.					
	US 6,521,915 B2	2/18/2003	Odaki, et al.					
	US 6,522,065 B1	2/18/2003	Srivastava, et al.					
	US 2003/0034486 A1	2/20/2003	Korgel					
	US 2003/0042850 A1	3/6/2003	Bertram, et al.					
	US 2003/0047816 A1	3/13/2003	Dutta					
	US 6,544,870 B2	4/8/2003	Park, et al.					
	US 2003/0066998 A1	4/10/2003	Lee					
	US 6,566,808 B1	5/20/2003	Duggal, et al.					
	US 6,585,947 B1	7/1/2003	Nayfeh, et al.					
V	US 6,602,731 B2	8/5/2003	Andriessen	V		V		

(1/3/os.

003.500924

US 6,608,330 B1 8/19/2003 Yamada US 2003/0173541 A1 9/18/2003 Peng, et al. US 6,632,694 B2 10/14/2003 Torvik US 6,649,138 B2 11/18/2003 Adams, et al.	J						
US 6,632,694 B2 10/14/2003 Torvik	1 '						
US 6,649,138 B2 11/18/2003 Adams, et al.							
US 2003/0222572 A1 12/4/2003 Su, et al.							
US 6,660,410 B2 12/9/2003 Hosokawa							
US 6,661,029 B1 12/9/2003 Duggal							
US 2003/0227249 A1 12/11/2003 Mueller, et al.							
US 6,669,158 B2 12/30/2003 Masas							
US 2004/0007169 A1 1/15/2004 Ohtsu, et al.							
US 6,692,512 B2 2/17/2004 Jang							
US 6,692,986 B1 2/17/2004 Bayer, et al.							
US 2004/0033345 A1 2/19/2004 Dubertret, et al.							
US 6,698,543 B2 3/2/2004 Golterman							
US 6,700,322 B1 3/2/2004 Duggal, et al.							
US 6,701,686	V						
, FOREIGN PATENT DOCUMENTS							
REF DOCUMENT DATE COUNTRY CLASS	SUB- CLASS	TRANSL	ATION NO				
_Q ω							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.	 c.)	<u> </u>					
Bauer, et al., "Laser Synthesis of Low-Agglomerated Submicrometer Silicon Nitride P Silanes," <i>J Am. Ceram. Soc.</i> , 74 (11), pp. 2759-2768, 1991. Published by American Westerville, OH	Powders fr		nated				
Heinrich, et al., "Luminescent collodial silicon suspensions from porous silicon," Scient 1992. Published by American Association for the Advancement of Science, Washing			5-68,				
	Seraphin, et al., "Influence of nanostructure size on the luminescence behavior of silicon nanoparticle thin films," <i>J. Mater. Res.</i> , Vol. 12, No. 12, pp. 3386-3392, 1997. Published by Materials Research Society.						
	Dabbousi, et al., "(CdSe)ZnS core-shell quantum dots: synthesis and characterization of a size series of highly luminescent nanocrystallites," <i>J. Phys. Chem. B</i> , Vol. 101 (46), pp. 9463-9475, 1997. Published by American Chemical Society.						
Alleggue "Paravis silican formation machanisms " Paravis of Paravis City of The	Allongue. "Porous silicon formation mechanisms," Properties of Porous Silicon, "Leigh Canham Ed., ISBN 0852969325, pp. 3-29, 1997. Published by INSPEC.						
	Gorla, et al., "Silicon and germanium nanoparticle formation in an inductively coupled plasma reactor," <i>J Vac. Sci. Technol. A.</i> , Vol. 15(3), pp. 860-864, 1997. Published by American Institute of Physics.						
0852969325, pp. 3-29, 1997. Published by INSPEC. Gorla, et al., "Silicon and germanium nanoparticle formation in an inductively coupled	hysics.						
0852969325, pp. 3-29, 1997. Published by INSPEC. Gorla, et al., "Silicon and germanium nanoparticle formation in an inductively coupled	n aluminu		,				
0852969325, pp. 3-29, 1997. Published by INSPEC. Gorla, et al., "Silicon and germanium nanoparticle formation in an inductively coupled Sci. Technol. A., Vol. 15(3), pp. 860-864, 1997. Published by American Institute of P Jabbour, et al., "Highly efficient and bright organic electroluminescent devices with an	n aluminu	Physics					

f. fr

11/3/05.

BW	Belomoin et al., "Oxide and hydrogen capped ultrasmall blue luminescent Si nanoparticles," <i>Appl. Phys. Lett.</i> , Vol. 77 (6), pp. 779-781, 2000. Published by American Institute of Physics.
1	Holmes, et al., "Highly luminescent silicon nanocrystals with discrete optical transitions," J. Am. Chem. Soc., Vol. 123, pp. 3743-3748, 2001. Published by American Chemical Society.
	Ledoux, et al., "Effect of passivation and aging on the photoluminescence of silicon nanocrystals," Applied Physics Letters, Vol. 79, No. 24, pp. 4028-4030, 2001. Published by American Institute of Physics.
	Kang, et al., "Enhancing the electroluminescent properties of organic light-emitting devices using a thin NaCl layer," <i>Applied Physics Letters</i> , Vol. 81, No. 14, pp. 2581-2583, 2002. Published by American Institute of Physics.
	Pell, et al., "Single particle and ensemble spectroscopy of silicon nanoparticles, <i>Mat. Res. Symp. Proc.</i> , Vol. 704, pp. 17-21, 2002. Published by Materials Research Society.
	Belomoin et al., "Observation of a magic discrete family of ultrabright Si nanoparticles," <i>Appl. Phys. Lett.</i> , Vol. 8 (5), pp. 841-843, 2002. Published by American Institute of Physics.
	English, et al., "Size tunable visible luminescence from individual organic monolayer stabilized silicon nanocrystal quantum dots," Nano Letters, 2, pp. 681-685, 2002. Published by American Chemical Society, Washington, D.C.
	Hanrath, et al., "Nucleation and growth of germanium nanowires seeded by organic monolayer-coated gold nanocrystals," <i>J. Am. Chem. Soc.</i> , Vol. 124, No. 7, pp. 1424-1429, 2002. Published by American Chemical Society.
	"Organic light emitting diodes (OLEDs) for general illumination Update 2002." An Optoelectronics Industry Development Association (OIDA) Technology Roadmap, Published by Optoelectronics Industry Development Association.
	Huisken, et al., "Light-emitting silicon nanocrystals from laser pyrolysis," <i>Adv. Mater.</i> , Vol. 14(24), pp. 1861-1865, 2002. Published by VCH Publishers, Deerfield Beach, FL.
	Madou. "Pattern transfer with additive techniques" Fundamentals of Microfabrication, The Science of Miniaturization, 2 nd Ed., Chapter 3., 2002. Published by CRC Press, Boca Raton, FL.
	Buriak. "Other suitable passivating agents and their production," <i>Chemical Reviews</i> , Vol. 102 (5), pp. 1271-1308, 2002. Published by American Chemical Society.
	Zukauskas, et al., "Introduction to solid-state lighting," Vision, Photometry and Colorimetry, Ch. 2, pp. 7-19, 2002. Published by John Wiley & Sons, New York.
1	Lu, et al., "Growth of single crystal silicon nanowires in supercritical solution from tethered gold particles on a silicon substrate, Nanoletters, 2003, Vol. 3, No. 1, pp. 93-99, 2003. Published by American Chemical Society
V	Durel 3 Lamp Technology, www.rogerscorporation.com, website article.
EXAMINER	DATE CONSIDERED 11/3/05